2002
Crop Nutrient Management Plan

Joe Farmer
Any Street
Any City, MN 55555
(651) 000-0000

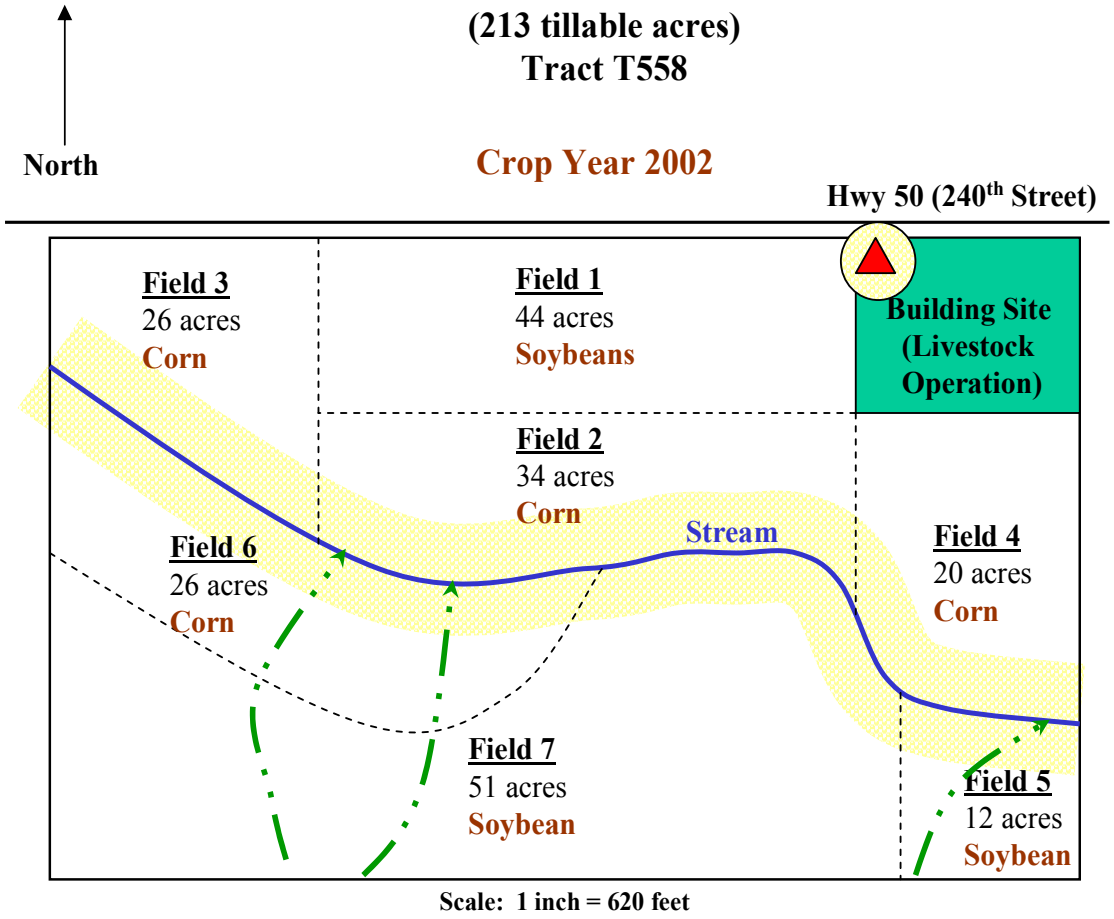
A crop nutrient management plan is comprised of several components that will provide guidance for making decisions on location, rate, timing, form and method of nutrient application. Crop recommendations within this report are based upon published information from the University of Minnesota Extension Service and comply with the USDA-NRCS-Minnesota 590 (Nutrient Management) Standard. Periodic review and update of this plan may be necessary if factors affecting management decisions have changed since the plan was prepared.

Prepared by: **Jeff St. Ores** **TSP I.D. Number**
USDA-NRCS
375 Jackson St., Suite 600
St. Paul, MN 55101
(651) 602-7869

January 29, 2002

Joe Farmer
Home Farm
(213 tillable acres)
Tract T558

Crop Year 2002



Scale: 1 inch = 620 feet

Any County
Any Township
Section 14, NW 1/4

Sensitive Areas

- **Stream**
- **Waterway**
- **Tile Inlet**
- **Water Well**
- **Special Protection Area**

Manure Applications

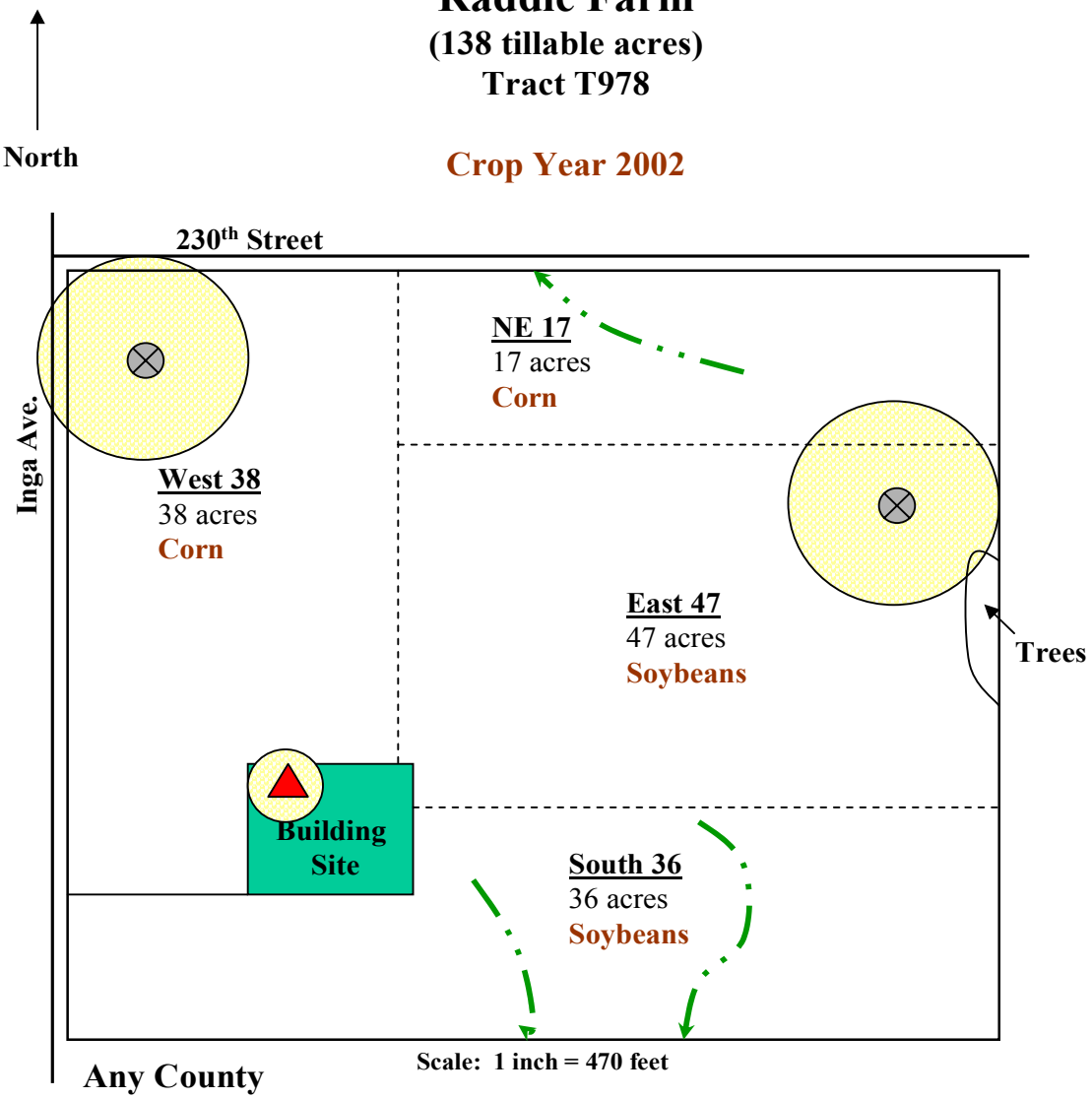
Fields: 2, 3,4,6

Commercial Fertilizer Applications

Fields: 2, 3,4,6

Joe Farmer
Raddle Farm
(138 tillable acres)
Tract T978

Crop Year 2002



Any County
Any Township
Section 7, NW 1/4

Manure Applications

Fields: NE 17

Commercial Fertilizer Applications

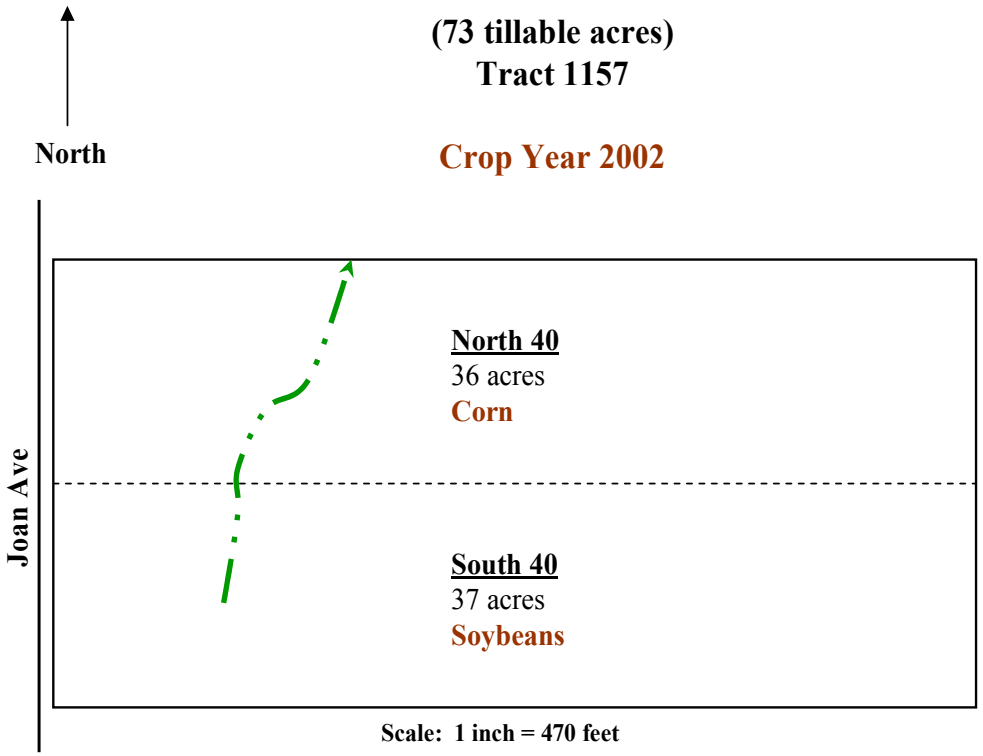
Fields: NE 17, West 38

Sensitive Areas

- **Stream**
- **Waterway**
- **Tile Inlet**
- **Water Well**
- **Special Protection Area**

Joe Farmer
Ricke Farm
(73 tillable acres)
Tract 1157

Crop Year 2002



Any County
Any Township
Section 20, NW 1/4

Manure Applications

Fields: North 40

Commercial Fertilizer Applications

Fields: North 40

Sensitive Areas

- Stream
- Waterway
- Tile Inlet
- Water Well
- Special Protection Area

Planning Year 2002 **Date Printed** Jan 29, 2002

Field Specific Summary of Nutrient Applications

Field	Crop	Nutrient Source	Source	Application Rate	Application Timing	Method		Planning Year Nutrients (lbs/acre) N	P2O5	K2O
Home T558										
2	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
2	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		126	107	98
							Totals For Field	**130**	**119**	**102**
3	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
3	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		126	107	98
							Totals For Field	**130**	**119**	**102**
4	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
4	corn	Manure	Building 2	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		141	119	99
							Totals For Field	**145**	**131**	**103**
6	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row		4	12	4
6	corn	Manure	Building 1 - Fall	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject		126	107	98
							Totals For Field	**130**	**119**	**102**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date Printed** Jan 29, 2002

Field Specific Summary of Nutrient Applications

Field	Crop	Nutrient Source	Source	Application Rate	Application Timing	Method	Planning Year Nutrients (lbs/acre) N	P2O5	K2O
Raddle T978									
NE 17	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row	4	12	4
NE 17	corn	Manure	Building 1 - Spring	5300 gallons per acre	Spring (Apr-Jun)	Bdcst-Inc 12-96 hrs	138	152	143
						Totals For Field	**142**	**164**	**147**
West 38	corn	Fertilizer	Urea	250 pounds per acre	Spring preplant	Broadcast-Inc	115	0	0
West 38	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row	4	12	4
						Totals For Field	**119**	**12**	**4**
Ricke T1157									
North 40	corn	Fertilizer	Liquid 7-21-7	5 gallons per acre	Planting	Row	4	12	4
North 40	corn	Manure	Building 2	5300 gallons per acre	Fall (Oct - Dec)	Knife Inject	197	165	138
						Totals For Field	**201**	**177**	**142**

APPENDICES

(Design documents) Page

General Information

Soils Information

Nutrient Application Summaries

Field Specific Nutrient Budget

Operator/Producer Joe Farmer **Planning Year** 2002 **Date Printed** Jan 29, 2002

Crop Information

Field	Acres	Planning Year 2002 Crop	Planning Year 2002 Yield Goal	Last Year 2001 Crop	Last Year 2001 Yield	Other Previous Years 2000 Crop	Other Previous Years 2000 Yield	Other Previous Years 1999 Crop	Other Previous Years 1999 Yield	Other Previous Years 1998 Crop	Other Previous Years 1998 Yield
Home T558											
1	44	soybeans	50	corn	169	soybeans	54				
2	34	corn	165	soybeans	45	corn	171				
3	26	corn	160	soybeans	49	corn	162				
4	20	corn	160	soybeans	49	corn	178				
5	12	soybeans	50	corn	168	soybeans	46				
6	26	corn	165	soybeans	47	corn	172				
7	51	soybeans	50	corn	155	soybeans	47				
Raddle T978											
East 47	47	soybeans	50	corn	180	soybeans	53				
NE 17	17	corn	160	soybeans	48	corn	159				
South 36	36	soybeans	50	corn	174	soybeans	53				
West 38	38	corn	160	soybeans	51	corn	167				
Ricke T1157											
North 40	36	corn	160	corn	0						
South 40	37	soybeans	45	corn	0						

Planned Manure Applications

Manure Source: Building 1 - Fall **Hauler ID:** **Hauler Name:**

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method	Total Applied
Home T558	2	✓	34	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	129200 gallons
Home T558	3	✓	26	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	98800 gallons
Home T558	6	✓	26	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	98800 gallons
	Total acres for Building 1 - Fall		86				Total Applied	326800 gallons

Manure Source: Building 1 - Spring **Hauler ID:** **Hauler Name:**

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method	Total Applied
Raddle T978	NE 17	✓	17	corn	5300 gallons per acre	Spring (Apr-Jun)	Bdcst-Inc 12-96 hrs	90100 gallons
	Total acres for Building 1 - Spring		17				Total Applied	90100 gallons

Manure Source: Building 2 **Hauler ID:** **Hauler Name:**

Farm	Field	Sensitive Areas	Applied Acres	Crop	Rate	Timing	Method	Total Applied
Home T558	4	✓	20	corn	3800 gallons per acre	Fall (Oct - Dec)	Knife Inject	76000 gallons
Ricke T1157	North 40	✓	36	corn	5300 gallons per acre	Fall (Oct - Dec)	Knife Inject	190800 gallons
	Total acres for Building 2		56				Total Applied	266800 gallons

Operator/Producer Joe Farmer **Planning Year** 2002 **Date Printed** Jan 29, 2002

Planned Fertilizer Applications

Fertilizer Source: Liquid 7-21-7

Farm	Field	Acres	Crop	Application Rate	Timing	Method
Home T558	2	34	corn	5 gallons per acre	Planting	Row
Home T558	3	26	corn	5 gallons per acre	Planting	Row
Home T558	4	20	corn	5 gallons per acre	Planting	Row
Home T558	6	26	corn	5 gallons per acre	Planting	Row
Raddle T978	NE 17	17	corn	5 gallons per acre	Planting	Row
Raddle T978	West 38	38	corn	5 gallons per acre	Planting	Row
Ricke T1157	North 40	36	corn	5 gallons per acre	Planting	Row

Fertilizer Source: Urea

Farm	Field	Acres	Crop	Application Rate	Timing	Method
Raddle T978	West 38	38	corn	250 pounds per acre	Spring preplant	Broadcast-Inc

Operator/Producer Joe Farmer **Planning Year** 2002 **Date Printed** Jan 29, 2002

Planning-Year Manure Application and Nutrient Credits

Field	Acres	Crop	Manure Batch	Manure Application			Rate	Units	Applied Acres	1st Year Nutrient Credits			Next Year 2nd Year N Credit (lbs/acre)
				Season	Year	Method				N	P2O5	K2O	
Home T558													
2	34	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800	gal/ac	34	126	107	98	27
							Totals For Field			**126**	**107**	**98**	**27**
3	26	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800	gal/ac	26	126	107	98	27
							Totals For Field			**126**	**107**	**98**	**27**
4	20	corn	Building 2	Fall (Oct - Dec)	2001	Knife Inject	3800	gal/ac	20	141	119	99	30
							Totals For Field			**141**	**119**	**99**	**30**
6	26	corn	Building 1 - Fall	Fall (Oct - Dec)	2001	Knife Inject	3800	gal/ac	26	126	107	98	27
							Totals For Field			**126**	**107**	**98**	**27**
Raddle T978													
NE 17	17	corn	Building 1 - Spring	Spring (Apr-Jun)	2002	Bdcst-Inc 12-96 hrs	5300	gal/ac	17	138	152	143	38
							Totals For Field			**138**	**152**	**143**	**38**
Ricke T1157													
North 40	36	corn	Building 2	Fall (Oct - Dec)	2001	Knife Inject	5300	gal/ac	36	197	165	138	42
							Totals For Field			**197**	**165**	**138**	**42**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date Printed** Jan 29, 2002

Planning-Year Nutrient Balance
(Pounds of nutrient per acre)

Field	Acres	Crop	2nd-Year Legume N Credit	Soil Test Nitrate N Credit	Irrigation Water N Credit	First Year Nutrients From Manure			Manure 2nd-Year N Credit	Commercial Fertilizer Nutrients			Total Available Nutrients			Nutrients Available Above Recommendation		
						N	P2O5	K2O		N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
Home T558																		
1	44	soybeans	0	0	0	0	0	0	41				41	0	0	41	0	0
2	34	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	119	102
3	26	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	102	88
4	20	corn	0	0	0	141	119	99	0	4	12	4	145	131	103	25	131	103
5	12	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0
6	26	corn	0	0	0	126	107	98	0	4	12	4	130	119	102	10	84	40
7	51	soybeans	0	0	0	0	0	0	29				29	0	0	29	0	0
Raddle T978																		
East 47	47	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0
NE 17	17	corn	0	0	0	138	152	143	0	4	12	4	142	164	147	22	130	99
South 36	36	soybeans	0	0	0	0	0	0	29				29	0	0	29	0	0
West 38	38	corn	0	0	0	0	0	0	0	119	12	4	119	12	4	0	6	0
Ricke T1157																		
North 40	36	corn	0	0	0	197	165	138	0	4	12	4	201	177	142	11	143	86
South 40	37	soybeans	0	0	0	0	0	0	0				0	0	0	0	0	0

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 1 **Acres:** 44

Soil Information

N lbs/acre	P ppm	K ppm
	78 (B1)	221

Soil Map Unit: 1895B Carmi
Soil Texture: Loam
Organic Matter: 3.6 %
pH: 6.6

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans

Realistic Yield: 50 bu/a

Nutrient Recommendation

N	P2O5	K2O	
0	0	0	Broadcast
0	0	0	Row or Drill

Source of Nitrogen Recommendations

✓ Standard

Western Soil Nitrate Test

Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop soybeans
41			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	0	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
0	0	0	**Supplemental Nutrient Needs**

Sample Field

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 2 **Acres:** 34

Soil Information

N lbs/acre	P ppm	K ppm
	23 (B1)	188

Soil Map Unit: 252 Marshan
Soil Texture: Silty clay loam
Organic Matter: 4.1 % pH: 6.3

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn
Realistic Yield: 165 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	0	0	Broadcast
120	12	0	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	0	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

126 107 98 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 1 - Fall	Fall (Oct – Dec)	Knife Inject	3800	126	107	98

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

130	119	102	**Total Nutrients From Planned Applications**

Sample Field

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 3 **Acres:** 26

Soil Information

N lbs/acre	P ppm	K ppm
	17 (B1)	148

Soil Map Unit: 39B Wadena
Soil Texture: Loam
Organic Matter: 3.7 % pH: 6.5

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn
Realistic Yield: 160 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	17	14	Broadcast
120	12	12	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	17	14	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

126 107 98 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 1 - Fall	Fall (Oct – Dec)	Knife Inject	3800	126	107	98

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

130	119	102	**Total Nutrients From Planned Applications**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 4 **Acres:** 20

Soil Information

N lbs/acre	P ppm	K ppm
	82 (B1)	206

Soil Map Unit: 1895B Carmi
Soil Texture: Loam
Organic Matter: 3.4 % pH: 6.6

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn
Realistic Yield: 160 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	0	0	Broadcast
120	0	0	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	0	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

141 119 99 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 2	Fall (Oct – Dec)	Knife Inject	3800	141	119	99

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

145	131	103	**Total Nutrients From Planned Applications**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 5 **Acres:** 12

Soil Information

N lbs/acre	P ppm	K ppm
	17 (B1)	121

Soil Map Unit: 129 Cylinder
Soil Texture: Loam
Organic Matter: 3.8 % pH: 6.4

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans
Realistic Yield: 50 bu/a

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Nutrient Recommendation

N	P2O5	K2O	
0	3	0	Broadcast
0	0	0	Row or Drill

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop soybeans
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	3	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
0	3	0	**Supplemental Nutrient Needs**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 6 **Acres:** 26

Soil Information

N lbs/acre	P ppm	K ppm
	14 (B1)	108

Soil Map Unit: 252 Marshan
Soil Texture: Silty clay loam
Organic Matter: 4.2 % pH: 6.3

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn
Realistic Yield: 165 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	35	62	Broadcast
120	30	40	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	35	62	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

126 107 98 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 1 - Fall	Fall (Oct – Dec)	Knife Inject	3800	126	107	98

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

130	119	102	**Total Nutrients From Planned Applications**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Home T558 **Field:** 7 **Acres:** 51

Soil Information

N lbs/acre	P ppm	K ppm
	19 (B1)	126

Soil Map Unit: 39B Wadena
Soil Texture: Loam
Organic Matter: 3.2 %
pH: 6.8

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans
Realistic Yield: 50 bu/a

Nutrient Recommendation

N	P2O5	K2O	
0	0	0	Broadcast
0	0	0	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop soybeans
29			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	0	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
0	0	0	**Supplemental Nutrient Needs**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Raddle T978 **Field:** East 47 **Acres:** 47

Soil Information

N lbs/acre	P ppm	K ppm
	17 (B1)	122

Soil Map Unit: 1896B Ostrander-Carmi
Soil Texture: Loam
Organic Matter: 3.4 % pH: 6.2

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans
Realistic Yield: 50 bu/a

Nutrient Recommendation

N	P2O5	K2O	
0	3	0	Broadcast
0	0	0	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop soybeans
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	3	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
0	3	0	**Supplemental Nutrient Needs**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Raddle T978 **Field:** NE 17 **Acres:** 17

Soil Information

N lbs/acre	P ppm	K ppm
	14 (B1)	119

Soil Map Unit: 1896B Ostrander-Carmi

Soil Texture: Loam

Organic Matter: 3.6 % pH: 6.2

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn

Realistic Yield: 160 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	34	48	Broadcast
120	30	40	Row or Drill

Source of Nitrogen Recommendations

✓ Standard

Western Soil Nitrate Test

Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	34	48	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

138 152 143 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 1 - Spring	Spring (Apr-Jun)	Bdcst-Inc 12-96 hrs	5300	138	152	143

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

142	164	147	**Total Nutrients From Planned Applications**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Raddle T978 **Field:** South 36 **Acres:** 36

Soil Information

N lbs/acre	P ppm	K ppm
	23 (B1)	147

Soil Map Unit: 2C Ostrander
Soil Texture: Loam
Organic Matter: 3.5 %
pH: 6.4

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans
Realistic Yield: 50 bu/a

Nutrient Recommendation

N	P2O5	K2O	
0	0	0	Broadcast
0	0	0	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop soybeans
29			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	0	0	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
0	0	0	**Supplemental Nutrient Needs**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Raddle T978 **Field:** West 38 **Acres:** 38

Soil Information

N lbs/acre	P ppm	K ppm
	19 (B1)	141

Soil Map Unit: 1896B Ostrander-Carmi

Soil Texture: Loam

Organic Matter: 3.7 % pH: 6.2

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn

Realistic Yield: 160 bu/a

Nutrient Recommendation

N	P2O5	K2O	
120	6	22	Broadcast
120	12	12	Row or Drill

Source of Nitrogen Recommendations

✓ Standard

Western Soil Nitrate Test

Statewide Soil Nitrate Test

Previous Crop: soybeans

Nitrogen Credits

0			2nd-Year Legume Credit Crop corn
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
120	6	22	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit
120	6	22	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

119	12	4	Commercial Fertilizer						
			Source	Timing	Method	Rate	N	P2O5	K2O
			Urea	Spring preplant	Broadcast-Inc	250	115	0	0
			Liquid 7-21-7	Planting	Row	5	4	12	4
119	12	4	**Total Nutrients From Planned Applications**						

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Ricke T1157 **Field:** North 40 **Acres:** 36

Soil Information

N lbs/acre	P ppm	K ppm
	14 (B1)	112

Soil Map Unit: 41B Estherville
Soil Texture: Sandy loam
Organic Matter: 2.7 % pH: 6.1

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: corn
Realistic Yield: 160 bu/a

Nutrient Recommendation

N	P2O5	K2O	
190	34	56	Broadcast
190	30	40	Row or Drill

Source of Nitrogen Recommendations
✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
190	34	56	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

197 165 138 Manure 1st-Year Credit

Batch	Timing	Method	Rate	N	P2O5	K2O
Building 2	Fall (Oct – Dec)	Knife Inject	5300	197	165	138

0	0	0	**Supplemental Nutrient Needs**

Planning Year Fertilizer Applications

4 12 4 Commercial Fertilizer

Source	Timing	Method	Rate	N	P2O5	K2O
Liquid 7-21-7	Planting	Row	5	4	12	4

201	177	142	**Total Nutrients From Planned Applications**

Operator/Producer Joe Farmer **Planning Year** 2002 **Date** Jan 29, 2002

Field Nutrient Budget

Farm: Ricke T1157 **Field:** South 40 **Acres:** 37

Soil Information

N lbs/acre	P ppm	K ppm
	17 (B1)	98

Soil Map Unit: 27B Dickinson
Soil Texture: Sandy loam
Organic Matter: 2.5 %
pH: 6.3

UM Crop Nutrient Recommendations (accounting for soil information and last year's crop)

Planned Crop: soybeans
Realistic Yield: 45 bu/a

Nutrient Recommendation

N	P2O5	K2O	
0	3	18	Broadcast
0	0	0	Row or Drill

Source of Nitrogen Recommendations

✓ Standard
Western Soil Nitrate Test
Statewide Soil Nitrate Test

Previous Crop: corn

Nitrogen Credits

0			2nd-Year Legume Credit Crop
0			2nd-Year Manure Credit
0			Nitrogen Credit Based on Early Spring Soil Nitrate Test
0			Irrigation Water Nitrogen Credit
0	3	18	**Net Nutrients Needed (Broadcast)**

Planning Year Manure Applications

0	0	0	Manure 1st-Year Credit

0	3	18	**Supplemental Nutrient Needs**